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B.A.R.G. NEWS



NOVEMBER '92

© Monthly Newsletter of the Ballarat Amateur Radio Group Inc.

B.A.R.G. HAMVENTION

WELL DONE TOM - WELL DONE KEVIN, and well done and thanks a lot to all who contributed to the running of the Hamvention for 1992. In particular we must give a big 'thank you' to the ladies and gents who catered for the appetites of the hungry throng who availed themselves of the excellent lunch and afternoon tea that was provided. Thanks everybody, I am sure that our reputation of providing 'a great show' has been adequately defended and the customers were well satisfied with their day in Ballarat.

de Ian (VK3FD) President.

CONTEST RESULTS.

2M Hidden Transmitter Hunt - 1st. VK3BNC/VK3FGC 2nd. VK3PDA/VK3PDB
2M Scramble - 1st. VK3CCB 2nd. VK3PDB
10M Scramble - Equal 1st. VK3JMD / VK3WWW 2nd. VK3BNC
2M Scramble - 1st. VK3JMD 2nd. VK3WWW
10M Fox Hunt - 1st. VK3CCB/VK3NTA 2nd. VK3WWW
2M Sniffer Hunt - 1st. VK3DIP
70cm. Fox Hunt - 1st. VK3JMD 2nd. VK3YQN
80M Fox Hunt - 1st. VK3YQN 2nd. VK3JMD
2M Fox Hunt - 1st. VK3CCB/VK3NTA 2nd. VK3WWW

AGGREGATE WINNER: VK3JMD

DOOR PRIZE: VK3WEG

RAFFLE WINNER: Pauline Hinkley of Willaura.

			HOME	WORK
PRESIDENT	Ian Robinson	VK3FD	358031	379175
IMM. PAST PRESIDENT	Tom George	VK3DMK	355662	327234
VICE PRESIDENT	Cliff Bilston	VK3CCB	361249	330322
SECRETARY	Jim Wright	VK3CFB	327563	
TREASURER	Harry Hekkema	VK3KGL	357563	
ASST. SECRETARY	George Fowler	VK3DOK	326863	391954
PUBLICITY OFFICER	Norm D'Angri	VK3LBA	341613	
EDUCATION OFFICER	Tom George	VK3DMK	355662	327234
NET CO-ORDINATOR	John Hazledine	VK3CFH	391971	391035
TECHNICAL OFFICER	Merv Hooley	VK3KAW		311317
MEMBERS' REPS.	Mary Curnow	VK3FMC	301927	
	Reg Carter	VK3CAZ	417585	
	Charlie Stewart	VK3DCS	317425	

QSL MANAGER	Jeff Pigdon	VK3PAP	327041	311211
AWARDS MANAGER	Maurie Batt	VK3XEX	422245	
PROPERTY OFFICER	Jeff Pigdon	VK3PAP	327041	311211
HAMFEST CONVENER	Tom George	VK3DMK	355662	327234
WICEN COMMITTEE	Gordon Cornell	VK3FGC	392427	391135
	Geoff Smith	VK3ADB	332112	
	Tom George	VK3DMK	355662	327234
TECHNICAL COMMITTEE	Ian McDonald	VK3AXH		311317
	Dick Forrester	VK3VU	357663	391001
	Merv Hooley	VK3KAW		311317
	Dick Antoziewicz	VK3AEX	323273	311818
	David McConnell	VK3YNB		
	Ben Orchard	VK3TOP		377836
NEWSLETTER EDITOR	Norm D'Angri	VK3LBA	341613	

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MINUTES OF GENERAL MEETING HELD 30th. OCTOBER 1992.

Prior to opening the meeting President Ian thanked Tom VK3DMK, Geoff VK3ADB, and Kevin VK3WN and all those who helped make the Hamvention a success.

MEETING OPENED by President Ian VK3FD at 7.40 p.m. with 45 members present.

MINUTES of previous meeting as circulated were confirmed. CAZ / LBA.

CORRESPONDENCE IN Cheque from Taxation Dept. Withholding Tax refund.

TREASURER'S REPORT General Account \$41.46
Accounts passed for payment. \$548.60 KGL /BNC

CLUB NET is still well supported. Starting time to remain at 8.00 pm.

EDUCATION Pass rate was 47%. 3 new calls on air: VK3FRO, VK3NYD and VK3AKS. Congratulations to these members and thanks to Tom VK3DMK and his band of instructors.

TECHNICAL All repeaters working. RBU should be on Mt. Hollowback next week, weather permitting, and the packet linkup is proceeding.

PUBLICITY A vote of thanks to Norm VK3LBA for producing the direction signs for the Hamvention and the Identity Cards for Members, and to Cliff VK3CCB for printing the Newsletter.

JOTA The JOTA weekend went very well in very inclement weather. Thanks to the 10 members who assisted in this project.

PROPERTY The Committee was requested to set up guidelines for the hire of the Club generators.

AWARDS Maurie VK3XEX reported on applications for 6 awards.

WICEN Gordon FGC attended a WICEN meeting in Melbourne on 31st. October. He has Willis radios for conversion to WICEN bands, and is also taking orders for uniform jackets.

HAMVENTION Winner of raffle was Pauline Hinkley, and the Door Prize was won by VK3WEG. Tom VK3DMK will present Hamvention report at next meeting.

GENERAL BUSINESS

Moved VK3KAW seconded VK3XDQ that Natter Nights continue until A.G.M. Carried

Resolved that Richard VK3VEN be Club Historian and that he endeavours to compile a history of the Club. Any information concerning the formation and early days of the Club would be appreciated.

Moved VK3DMK seconded VK3LBA that there will not be a Newsletter in January. Carried.

MEETING CLOSED: at 8.50 p.m.

73 Jim VK3CFB

NEXT MEETING: Friday 27th. November at Education Centre. 7.30 p.m.

COMMITTEE MEETING: Thursday 19th. November - Ian VK3FD's QTH at 7.30 pm.

HAMVENTION REPORT

Our annual Hamvention was well patronised although numbers appeared to be down. Foxhunts were conducted on Saturday as well as Sunday and thanks must go to Geoff VK3ADB and helpers who entertained the competitors. A scramble was held on 2 metres on the Saturday evening before visitors attended a crowded dinner at the Golden City Tavern. Sunday arrived with overcast skies and the visitors were arriving right from the opening time of 9 am. and selling space was very quickly occupied both in the enclosed area and outside in the betting areas.

We had a visit from VIC TV News on the Monday evening, thanks to Ron VK3ZHH who pointed them in our direction a couple of days before, at his work QTH. The meal, as usual, was up to it's fine standard, being prepared by the ladies and men who worked from 9.00 am. till after the presentations at 4.00 pm. under the catering skills of Kevin VK3WN. A very big thank you to them all.

On the front cover of the Newsletter there is a list of Fox Hunt and Scramble results, and at this point I must thank the following exhibitors for their contribution to the prize pool: DICK SMITH, ICOM, WECAM, MPRG, and STEWARTS ELECTRONICS.

In closing I must thank all of the BARG members who assisted in the setting up and running of the weekend, quite a few putting in late hours and surprising quite a few of us with their ideas and hard work put in prior to and/or over the weekend.

Thank you very much everybody

73 Tom VK3DMK

(Congratulations to you too Tom for a difficult job well done. Ed.)

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RELATIVE RESISTIVITY OF METALS

From REG VK3CAZ

If we take copper as our standard, it is quite interesting to compare the resistivity of other metals to that of copper.

It gives pause for thought when we substitute other metals as conductors.

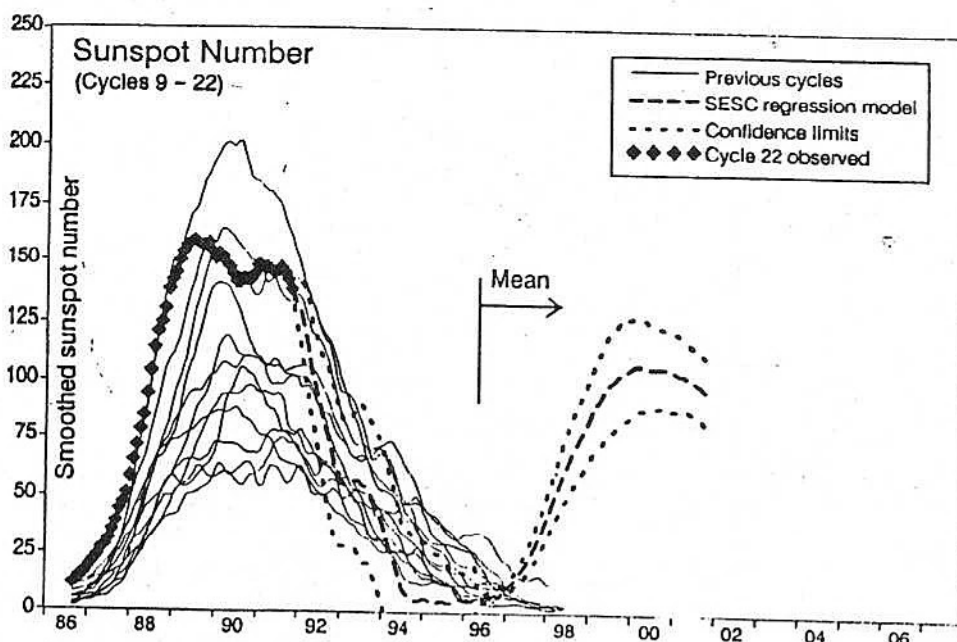
Copper (our standard)	1.00
Aluminium (pure)	1.60 times
Brass	3.7 to 4.9
Cadmium	4.4
Chromium	1.8
Copper (hard drawn)	1.03
Gold	1.4
Iron (pure)	5.7
Lead	12.8
Nickel	5.1
Phosphor Bronze	2.8 to 5.4
Platinum	6.5
Silver (best conductor)	0.94
Steel	7.6 to 12.7
Tin	6.7
Zinc	3.4
Solder (60/40 Tin/Lead)	8.0

It makes you think twice about putting solder along a suspect track when it is on an R.F. circuit doesn't it? It could cost you a couple of dB gain due to skin effect flowing in the solder rather than in copper !

o o o o o o o o o o o o o o o

Solar Cycle 22

Compared to Previous Cycles



Reprinted from 10/10 magazine.

92/11 5



THE STORY OF THE "HUTT RIVER PROVINCE INDEPENDENT SOVEREIGN STATE."
(From Maurie VK3EXX)

I was always under the impression that there were only two or maybe three Principalities, these being Monaco, San Marino and Liechtenstein. That was until the evening of May 17th. 1974. I was listening on 80 Metres at 13.50 UTC when I heard a VK6/P calling CQ. He said he was portable at "Hutt River" and that anyone who worked him would receive a very nice certificate in return for a QSL card. Being a 'paper chaser' at the time I sent off my QSL card without delay.

In a very short time I received a large envelope with foreign looking postage stamps all franked with the "Hutt River Province" post office post mark. In the top right hand corner of the envelope were three "Hutt River" stamps, one for 1¢, and two at 7¢. (This was the cost of postage at the time), in the bottom L.H. corner were two Cocos (Keeling Island) stamps to the value of 15¢. As Cocos is part of Australia these stamps can be used on the mainland.

Northampton is 472 Km North of Perth, and 36 Km North West of Northampton is a small town called Lynton. This is in the Hutt River district and can be found on any good map.

I will start to relate this story the way all good stories start:

Once upon a time there was a man named Leonard and he owned thousands of acres of land which he used for growing wheat. He also owned millions of dollars worth of farm machinery including massive tractors, huge ploughs that could plough a width of one chain at a time and a collection of harvesters and other machinery that were used on his wheat farm. In addition of course, he had a very large workforce that worked his machinery and kept it in repair.

One day the Bureaucrats told Leonard "we have a very large surplus of wheat and all of the farmers will have their quota reduced. You will only sow 1000 acres instead of your usual 10,000 acres."

Leonard, being the man that he is, told them to get st--fed, or words to that effect, and said "I am not going to let my machines lay idle, nor am I going to sack most of my workforce, I am going to carry on as usual." "I am a wheat farmer not a cow cockey, so I do not want any Bull from you."

Leonard had got really mad and he told them "This is my land and I will secede from the Commonwealth and form my own State. I will have my own Parliament, Constitution and Ministers, and we will print our own banknotes, postage stamps and passports. We will also have our own Customs and Excise. It will be known as 'The Hutt River Province Independent Sovereign State' and I will be known as Prince Leonard and members of my family will have suitable titles."

The Commonwealth said that he could not do this and that they would not recognise him.

Leonard did everything that he had said he would do and much more. The publicity from all of this had spread far and wide. Tourists came from far and wide and bought the souvenirs, bank notes and stamps at the same rate as the Australian Dollar. The Commonwealth still refused to recognise Leonard but realised that the tourism was good for Australia and eased off.

But Leonard had the last word. He was booked for a minor traffic offence and paid the fine with a cheque drawn on the "Hutt River Bank". The court gave him a receipt and the cheque was duly cleared. Later on the authorities realised they had recognised "Hutt River" by accepting the cheque. This is where the story ends.

Whether they all lived happily ever after, I don't know.

73 de Maurie VK3EXX

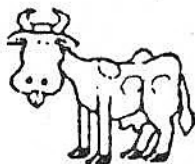
© © © © © © © © © © © © © © © ©

He is great who can do what he wishes ... and he's probably a politician.

* * * * *

OF COWS AND CAR DEALERS (from WOCFY)

A farmer had been taken down several times by the local car dealer. One day the car dealer purchased a hobby farm and informed the farmer that he was coming over to purchase a cow. Seeing his chance to get even the farmer fastened the following 'sticker' to the cow before the car dealer arrived.



BASIC COW	\$ 499.95
Shipping and Handling	\$ 35.75
Extra Stomach	\$ 79.25
Two Tone Exterior	\$ 142.10
Produce Storage Compartment	\$ 126.50
Heavy Duty Straw Chopper	\$ 189.60
Four Spigot/High Output Drain System ..	\$ 149.20
Automatic Fly Swatter	\$ 88.50
Genuine Cowhide Upholstery	\$ 179.90
Deluxe Dual Horns	\$ 59.25
Automatic Fertilizer Attachment	\$ 339.40
4 X 4 Traction Drive Assembly	\$ 884.16
Pre-delivery Wash and Comb	\$ 69.80

Suggested List Price: \$2843.36
Additional Dealer Adjustments: \$ 300.00

Total Delivered Price (including options) \$3143.36

Performance Rating: 10 litres per haybale.

The above rating is an estimate based on 1990 figures provided by the Bureau and may differ significantly to the actual performance of the above cow.

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S. W. R. AND ALL THAT

If you are worried about the S.W.R. on your antenna feeder reducing your chances of that weak DX contact, then try calculating the power loss due to that S.W.R. using the following formula.

$$\text{Ratio of } \frac{\text{Power in load (Antenna)}}{\text{Power in incident wave (from Tx)}} = \frac{4S}{(1 + S)^2}$$

Where S is the Standing Wave Ratio.

Take an example of an S.W.R. of 2:1

$$\frac{4 \times 2}{(1 + 2)^2} = \frac{8}{9} = 0.89$$

In other words 89% of the nominal Tx power actually goes "up the stick"!

Even with a 5:1 S.W.R. then 56% of the power arrives at the load and is radiated.

So as long as the Tx does not reduce its output because of the high S.W.R. you do not really need to fear excessive loss of radiated power due to the high value of S.W.R.

73 de Reg VK3CAZ.

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NOTICE BOARD



COMING EVENTS

November:

13th: Natter Night
19th: Exec. Meeting
27th: BARG Meeting

December:

8th: Examinations
11th: Natter Night
25th: Santa comes.

January 1993:

1st: Happy New Year!
* Ross Hull Contest
29th: BARG Meeting

February:

*21st: Begonia Rally
*12th: Natter Night
26th: BARG Meeting

March:

*John Moyle Contest
*12th: Natter Night
26th: BARG Meeting

April:

9th: Good Friday
*16th: Natter Night
30th: BARG Meeting

May:

*14th: Natter Night
28th: BARG Meeting
(Junk Auction)

June:

*Dick Smith Balloon
flight across Aust.
* Novice Contest
* 11th: Natter Night
25th: BARG Meeting

July:

* 9th: Natter Night
30th: BARG ANNUAL G. M.

August:

*14th: R. D. Contest
*15th: R. D. Contest
27th: BARG Meeting

* Dates not confirmed.

List will be added to as
time & information permits

FOR SALE

6 METRE TRANSVERTER 50 - 52 MHz

SOLID STATE

10-15 Watt Input / 25 Watts Output

Contact RON VK3ZHH

0 0 0 0 0 0 0 0 0 0

INDIVIDUALISTS
UNITE!

HELP WANTED

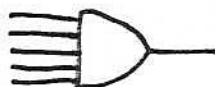
CAN YOU ASSIST IN COMPILING A HISTORY OF
OUR CLUB BY PROVIDING ANY DOCUMENTS, PHOTOS
FACTS AND FIGURES, NAMES, DATES OR ANECDOTES ?

IF YOU HAVE ANY INFORMATION AT ALL ON THE CLUB,
IT'S FORMER MEMBERS OR ACTIVITIES PLEASE CONTACT
RICHARD (VK3VEN) OR NORM (VK3LEA) SO THAT THE
POSSIBILITY OF COMPILING A HISTORY OF THE CLUB
CAN BE ASSESSED. THANKS IN ANTICIPATION.

VARIOUS LOGIC GATES (VK3CAZ)



WATERGATE

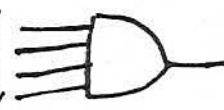


5 BAR GATE



INVESTIGATE

N
S
E
W



NAVIGATE



EXECUTIVE COMMITTEE MEETING

An Executive Committee meeting will
be held at 7.30 pm Thursday 19th. of
November at QTH of Ian VK3FD.

BALLOONS DON'T REALLY
FLOAT. THE EARTH
SINKS!

THEORY COURSE - 1983

It is proposed to hold another course in
basic radio theory in 1983.
With the advent of new licencing regulations
there may be a new influx of people keen to
obtain their Limited Novice or Novice licences.

If you know of possible candidates please advise
them of the course and direct them to Tom VK3DMK
to obtain details when they become available.

92/11
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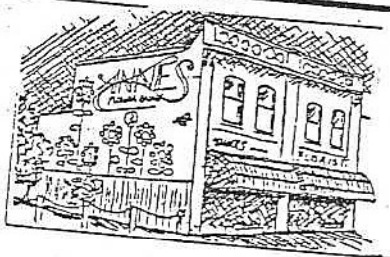
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